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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/698,501 10/31/2003		10/31/2003	Heon Lee	200209239-1	9608	
22879	7590	03/23/2006		EXAMINER		
		ARD COMPANY	DINH, SON T			
		04 E. HARMONY I ROPERTY ADMIN	ART UNIT	PAPER NUMBER		
FORT COLLINS, CO 80527-2400				2824		
				DATE MAILED: 03/23/200	6	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)					
	Office Action Summer	10/698,501	LEE ET AL.					
	Office Action Summary	Examiner	Art Unit					
		Son T. Dinh	2824					
Period fo	The MAILING DATE of this communication or Reply	n appears on the cover sheet v	vith the correspondence a	ddress				
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR RECHEVER IS LONGER, FROM THE MAILIN nsions of time may be available under the provisions of 37 C SIX (6) MONTHS from the mailing date of this communication period for reply is specified above, the maximum statutory are to reply within the set or extended period for reply will, by reply received by the Office later than three months after the ed patent term adjustment. See 37 CFR 1.704(b).	AG DATE OF THIS COMMUN FR 1.136(a). In no event, however, may a on. period will apply and will expire SIX (6) MO statute, cause the application to become A	ICATION. The reply be timely filed ONTHS from the mailing date of this of the capacity of the					
Status								
1)	Responsive to communication(s) filed on	23 December 2005						
·		This action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
<u>ا</u> ر	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	ion of Claims	ad. Expand quaylo, 1000 c.	5. 71, 100 0.0.210.					
<u> </u>		-4'						
-	Claim(s) <u>1-20</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
•	Claim(s) is/are allowed.							
· · · · · · · · · · · · · · · · · · ·	Claim(s) is/are rejected.							
·	Claim(s) is/are objected to.	d/or plantian requirement						
0)[Claim(s) <u>1-20</u> are subject to restriction an	d/or election requirement.						
Applicati	on Papers							
9)[The specification is objected to by the Exa	miner.						
10)⊠	10)⊠ The drawing(s) filed on 10/31/03 is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11)	The oath or declaration is objected to by the	ie Examiner. Note the attache	ed Office Action or form P	TO-152.				
Priority ι	ınder 35 U.S.C. § 119							
	Acknowledgment is made of a claim for fo ☐ All b)☐ Some * c)☐ None of:	reign priority under 35 U.S.C.	§ 119(a)-(d) or (f).					
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
	application from the International B	ureau (PCT Rule 17.2(a)).						
* 5	See the attached detailed Office action for	a list of the certified copies no	t received.					
Attachmen	t(s)							
	e of References Cited (PTO-892)	4) Interview	Summary (PTO-413)					
	e of Draftsperson's Patent Drawing Review (PTO-94 nation Disclosure Statement(s) (PTO-1449 or PTO/S		(s)/Mail Date Informal Patent Application (PT)	O-152)				
	r No(s)/Mail Date	6) Other:		_ , ,				

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DETAILED ACTION

Election/Restrictions

The Election and the amendment filed on 12/23/05 have been entered.

Claim 11 is missing. Also, there are two claims 16, the first one is directed to an apparatus, and the second one is directed to a method of making a memory device.

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-10, 12-16 (the first one), 17 and 19, drawn to a structure of an MRAM, classified in class 365, subclass 158.
- II. Claims 16 (the second one), 18 and 20, drawn to a method of making an MRAM, classified in class 438, subclass 3.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make another and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the MRAM in Group I could be made by a different process other than generating heat of etching process as claimed in claims 16, 18 and 20.

Because these inventions are independent or distinct for the reasons given above and the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Son T. Dinh whose telephone number is 571-272-1868. The examiner can normally be reached on Monday to Friday 8am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Elms can be reached on 571-272-1869. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

S. Dinh March 19, 2006

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